

Fig. 1

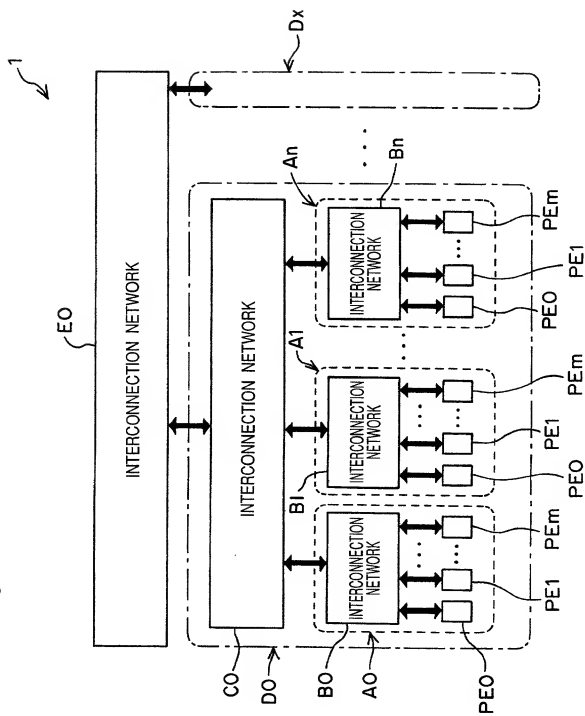


Fig. 2

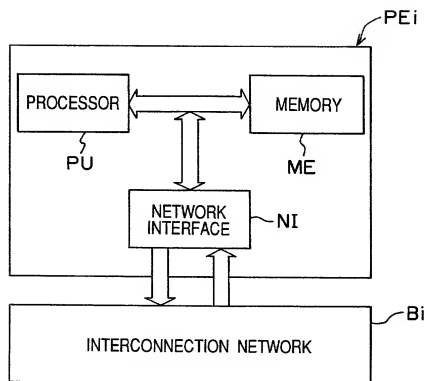


Fig. 3

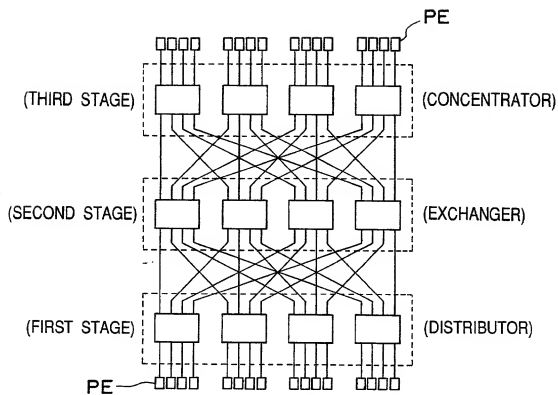


Fig.4

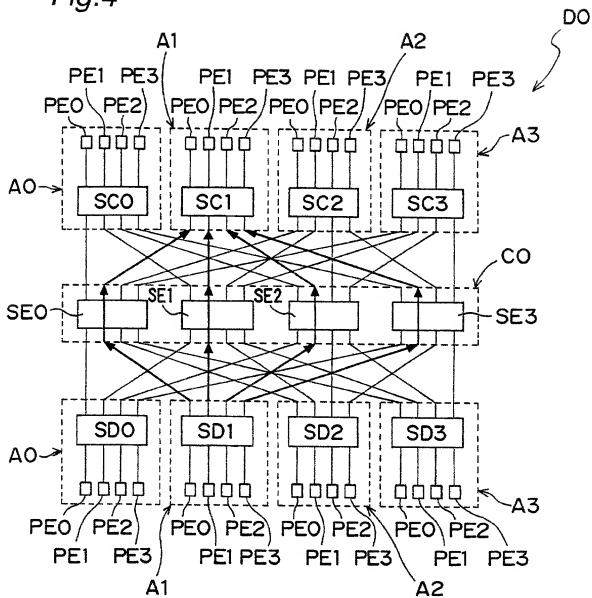


Fig.5

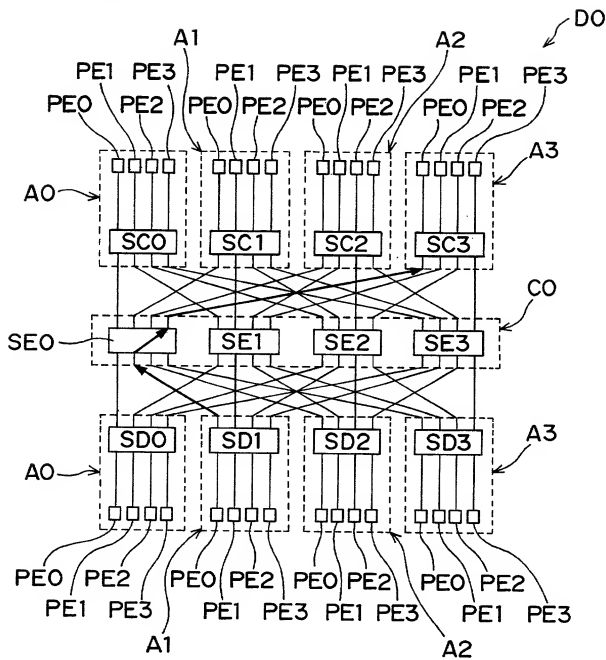


Fig.6

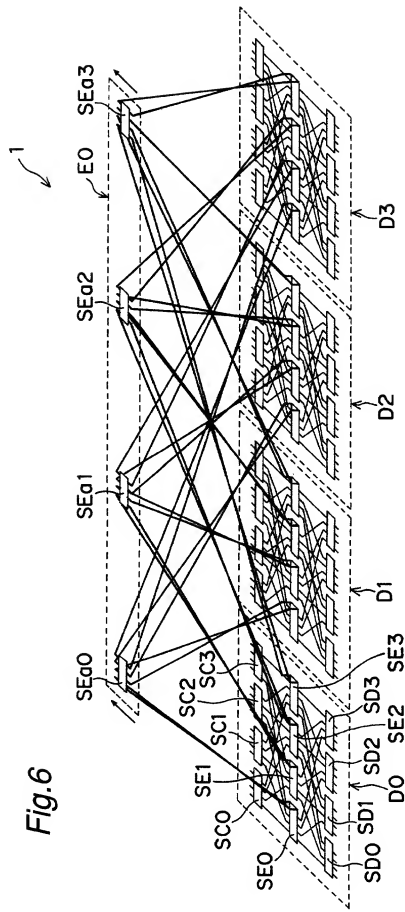


Fig.7

| OUTPUT PORT NUMBER | CURRENT TIME | HOLD PORT | HOLD CLOCK | PORT DEMAND WAITING QUEUE | STATUS |
|-----------------------|-----------------|--------------|---------------|------------------------------|---------|
| #0 | 157843 | #3 | 2 | — | HOLD |
| #1 | 157843 | — | 0 | #0,#2 | RELEASE |
| #2 | 157843 | — | 0 | #1 | RELEASE |
| #3 | 157843 | — | 0 | — | RELEASE |

Fig.8

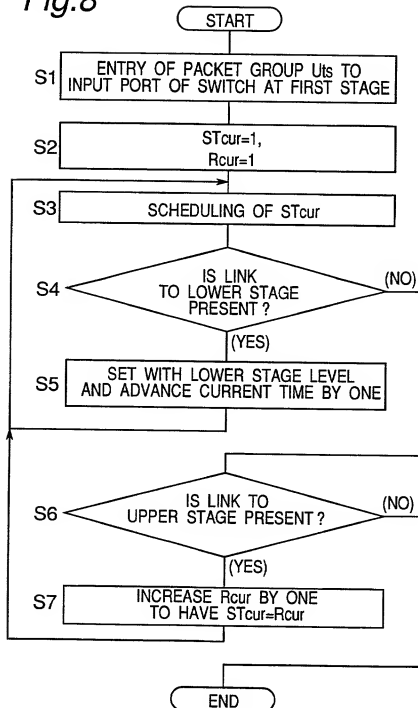


Fig.9

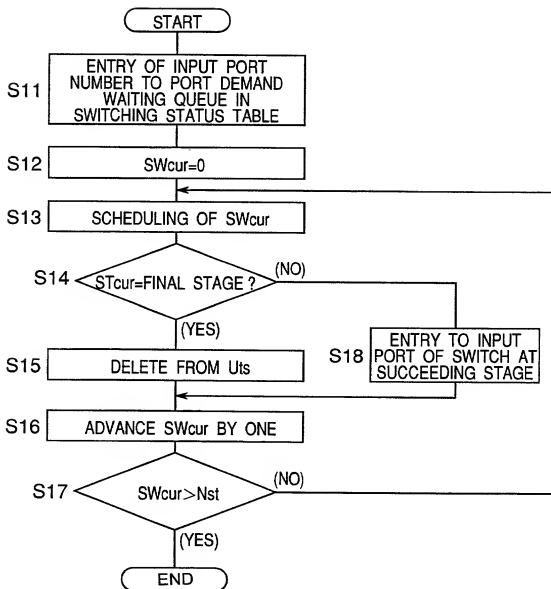


Fig.10

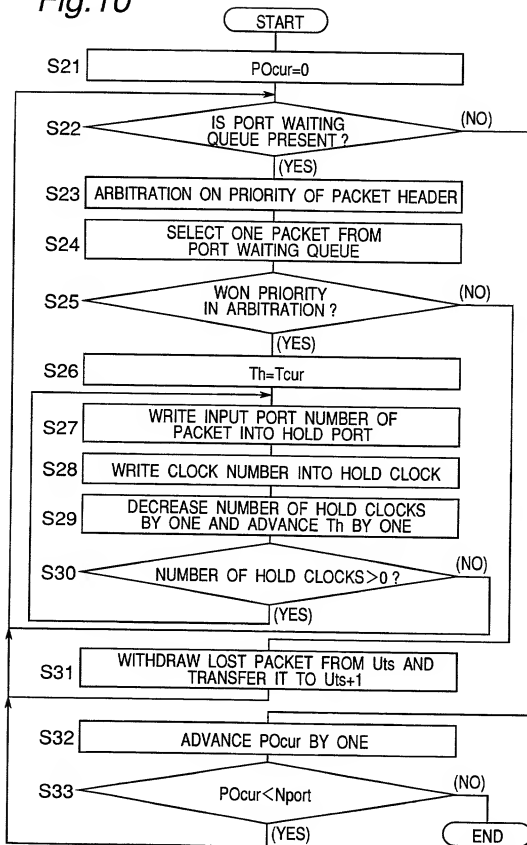


Fig.11

| OUTPUT PORT NUMBER | CURRENT TIME | HOLD PORT | HOLD CLOCK | PORT DEMAND WAITING QUEUE | STATUS |
|-----------------------|-----------------|--------------|---------------|------------------------------|---------|
| #0 | 15000 | — | 0 | — | RELEASE |
| #1 | 15000 | — | 0 | #0,#1 | RELEASE |
| #2 | 15000 | #4 | 2 | #3 | HOLD |
| #3 | 15000 | — | 0 | — | RELEASE |
| #4 | 15000 | — | 0 | #2 | RELEASE |

Fig.12

| OUTPUT PORT NUMBER | CURRENT TIME | HOLD PORT | HOLD CLOCK | PORT DEMAND WAITING QUEUE | STATUS |
|-----------------------|-----------------|--------------|---------------|------------------------------|---------|
| #0 | 15000 | — | 0 | — | RELEASE |
| #1 | 15000 | #1 | 1 | — | HOLD |
| #2 | 15000 | #4 | 2 | — | HOLD |
| #3 | 15000 | — | 0 | — | RELEASE |
| #4 | 15000 | #2 | 1 | — | HOLD |

Fig.13

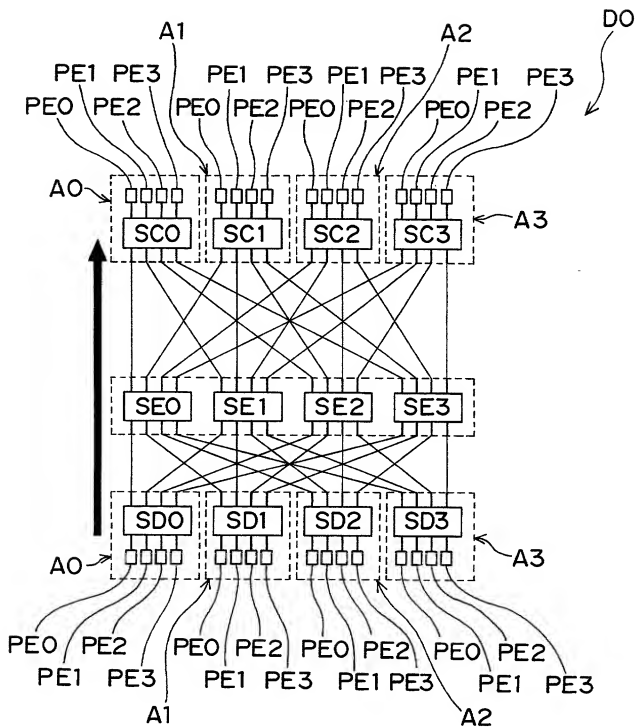


Fig.14

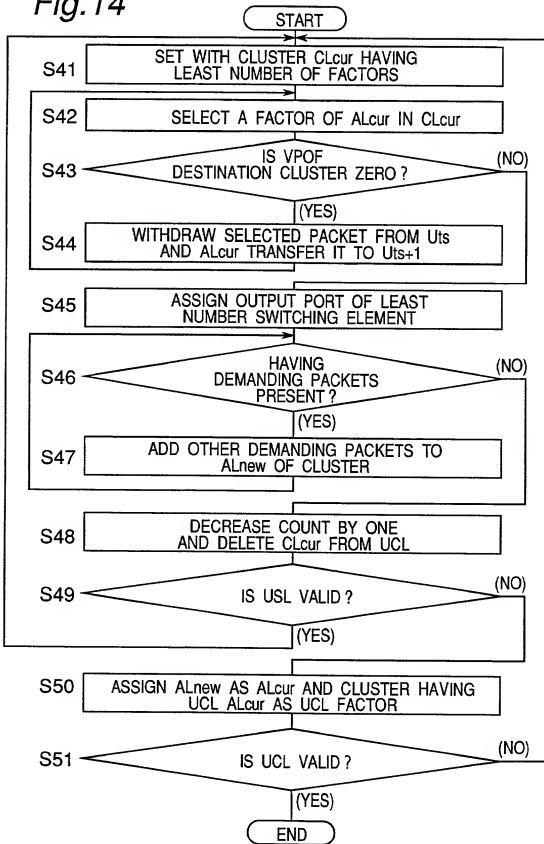


Fig.15

| CLUSTER NUMBER | DESTINATION CLUSTER NUMBER |
|-------------------|-------------------------------|
| A0 | A1,A3 |
| A1 | A2, A1, A1, A1 |
| A2 | A0,A1,A3 |
| A3 | A0,A2, A3 |

Fig.16

| OUTPUT PORT NUMBER | #0 | #1 | #2 | #3 |
|--------------------|----|----|----|----|
| COUNT | 4 | 1 | 4 | 3 |

Fig.17

| CLUSTER NUMBER | DESTINATION CLUSTER NUMBER |
|-------------------|-------------------------------|
| A0 | A3 |
| A1 | — |
| A2 | A0,A1 |
| A3 | A2 |

Fig.18

| OUTPUT PORT NUMBER | #0 | #1 | #2 | #3 |
|--------------------|----|----|----|----|
| COUNT | 3 | 0 | 3 | 3 |

Fig.19

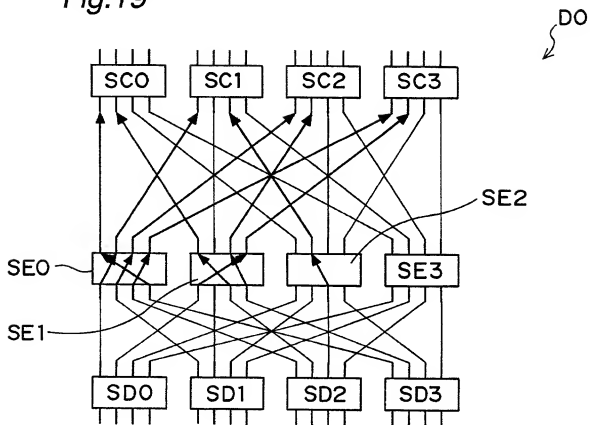


Fig. 20

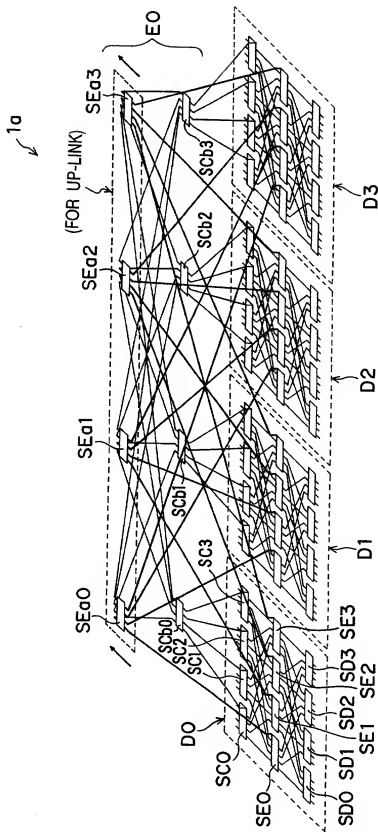


Fig. 21

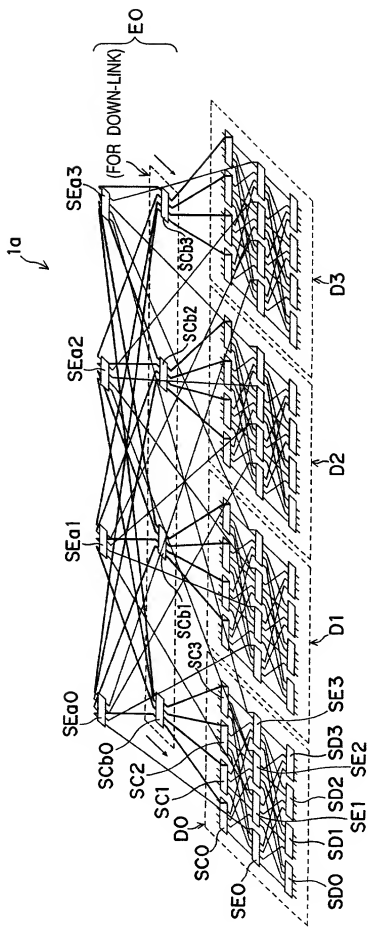


Fig. 22

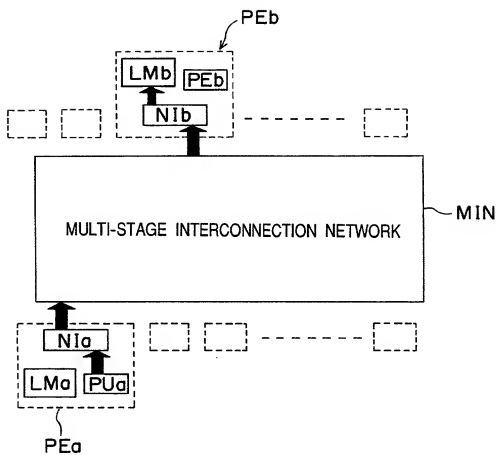


Fig.23

